Title (en)
NON-DISRUPTIVE CONTROLLER REPLACEMENT IN NETWORK STORAGE SYSTEMS

Title (de)
STÖRUNGSFREIER STEUERUNGSERSATZ IN NETZWERKSPEICHERSYSTEMEN

Title (fr)
REMPLACEMENT DE CONTRÔLEUR NON PERTURBATEUR DANS DES SYSTÈMES DE STOCKAGE EN RÉSEAU

Publication
EP 2864888 A4 20160504 (EN)

Application
EP 13810539 A 20130624

Priority
- US 201213532312 A 20120625
- US 2013047335 W 20130624

Abstract (en)
[origin: US2013346790A1] A network-based storage system includes multiple storage devices and system controllers. Each storage device in multiple aggregates of storage devices can include ownership portion(s) that are configured to indicate a system controller to which it belongs. First and second system controllers can form an HA pair, and can be in communication with each other, the storage devices, and a separate host server. A first system controller controls an aggregate of storage devices and can facilitate an automated hotswap replacement of a second system controller that controls another aggregate of storage devices with a separate third system controller that subsequently controls the other aggregate of storage devices. The first system controller can take over control of the second aggregate of storage devices during the automated hotswap replacement of the second system controller, and can exchange system identifiers and ownership portion information with the separate third system controller automatically during the hotswap.

IPC 8 full level
G06F 11/20 (2006.01)

CPC (source: EP US)
G06F 11/2092 (2013.01 - EP US); G06F 12/0886 (2013.01 - EP US); G06F 12/0888 (2013.01 - EP US)

Citation (search report)
- [Y] US 2011231602 A1 20110922 - WOODS HAROLD [US], et al
- [Y] US 5975738 A 19991102 - DEKONING RODNEY A [US], et al
- [A] US 6941396 B1 20050906 - THORPE ROGER T [US], et al
- See references of WO 2014004381A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2013346790 A1 20131226; **US 9367412 B2 20160614**; CN 104718536 A 20150617; CN 104718536 B 20180413; EP 2864888 A2 20150429; EP 2864888 A4 20160504; EP 2864888 B1 20171004; JP 2015525424 A 20150903; JP 6001773 B2 20161005; WO 2014004381 A2 20140103; WO 2014004381 A3 20140410

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US 201213532312 A 20120625; CN 201380038949 A 20130624; EP 13810539 A 20130624; JP 2015520366 A 20130624; US 2013047335 W 20130624